

(E)

PLOT SCALE: 1/8=1

DWG. SCALE: 1

SPECIFICATIONS

SHIELDING REQUIREMENTS:

SIDE WALLS 3/8" THK LEAD
ROOF 3/8" THK LEAD

CONSTRUCTION: MODULAR
STRUCTURE: SELF-SUPPORTED

OVERALL DIMS:

1.5M WIDE X 1.83 LONG X 2.44M HIGH [5' X 6' X 8']
CLEAR HEIGHT INSIDE: 2.3M [7.5']
DOOR OPENING: 2.1M HIGH X 1.16M WIDE [6.9' X 3.8']

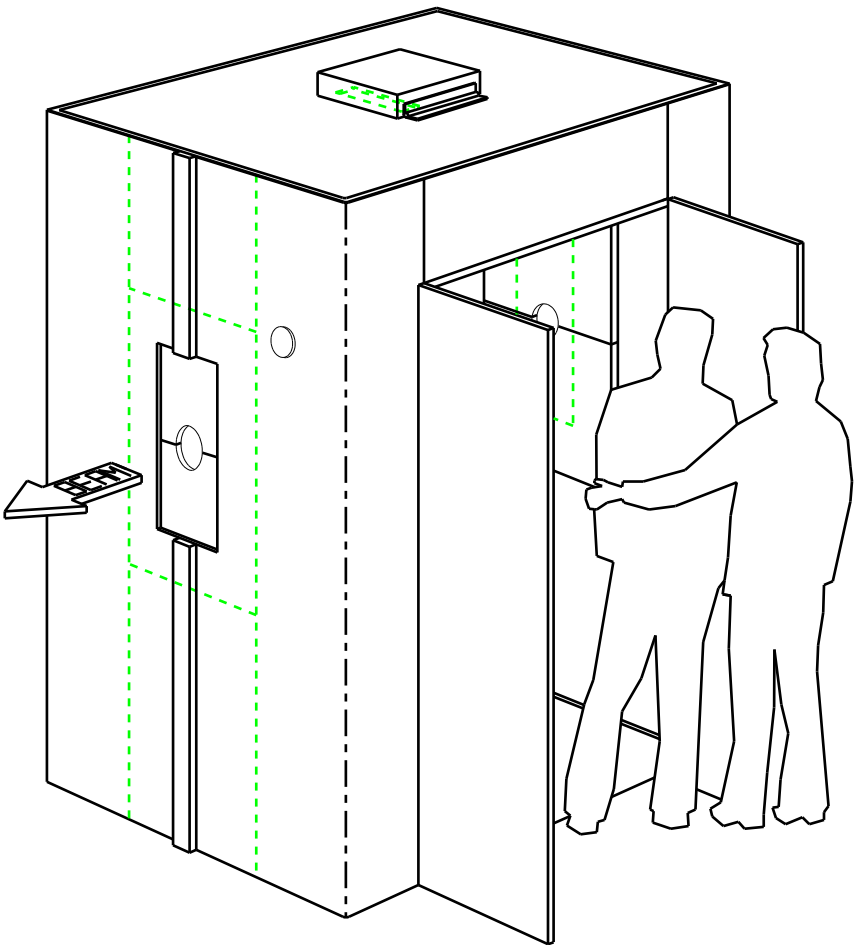
DOOR: TWO SWINGING DOORS IN EACH SIDE

STANDARD PANEL CONSTRUCTION:

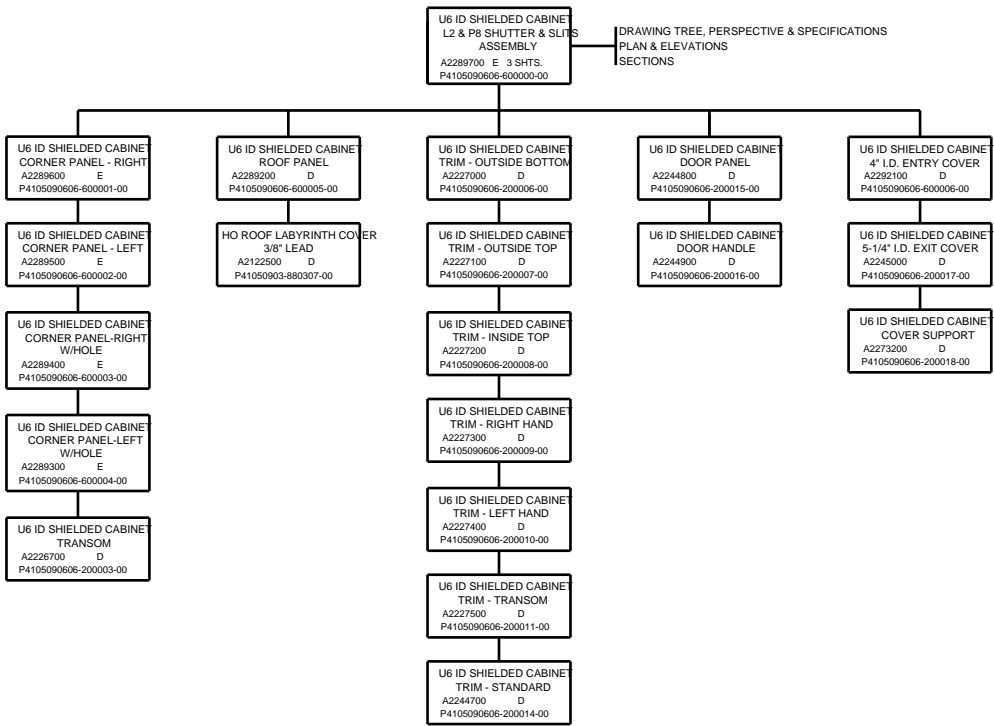
SANDWICH: STEEL 3mm [1/8" (11Ga.)] + LEAD 10mm[3/8"] + STEEL 3mm [1/8" (11Ga.)]
STRUCTURE: UNISTRUT CHANNEL P3300 1 5/8 x 7/8 x 12GA., ALL AROUND

STANDARD DOOR PANEL: .6M WIDE X 2.1M HIGH [2' X 7']

ROOF LABYRINTH : UTILITIES, CABLES



DRAWING TREE, PERSPECTIVE & SPECIFICATIONS
PLAN & ELEVATIONS
SECTIONS



NOTES:

- 1- THE CABINET MANUFACTURER SHALL BE RESPONSIBLE FOR THE STRUCTURAL INTEGRITY OF THE HUTCH, AND SHALL CERTIFY THAT THE STRUCTURE WAS REVIEWED BY A LICENSED STRUCTURAL ENGINEER. STRUCTURES AND THEIR ELEMENTS SHALL BE BUILT FOLLOWING DOE 6430 AS REFERRED TO IN TECHNICAL SPECS.
- 2- LEAD THICKNESS IS SPECIFIED BY ARGONNE.
THE MANUFACTURER SHALL BE RESPONSIBLE FOR PROVIDING A RADIATION LEAK PROOF HUTCH. LEAD LINED PANELS SHALL BE CONSTRUCTED FROM SINGLE UNPIERCED SHEET, FREE OF OXIDE INCLUSIONS, FISSURES, VOIDS AND ALL OTHER DETRIMENTAL DEFECTS. MATERIAL SHALL BE LEAD GRADE 'C' TO COMPLY WITH FEDERAL SPECIFICATION QQ-L-201. CABINET SHALL MEET ALL APPLICABLE RADIATION GUIDE LINES AS REFERRED TO IN TECHNICAL SPECS.

DATE: 01/12/2017		SCALE: 1/8" = 1'		SHEET: 1 OF 3	
PROJECT: A2289700		ARGONNE NATIONAL LABORATORY		ADVANCED PHOTON SOURCE	
DESIGNED BY: J.S. PALANCHAK		CHECKED BY: J.S. PALANCHAK		DATE: 01/12/2017	
DRAWN BY: SANCHEZ-PALANCHAK		CHECKED BY: SANCHEZ-PALANCHAK		DATE: 01/12/2017	
APPROVED BY: SANCHEZ-PALANCHAK		CHECKED BY: SANCHEZ-PALANCHAK		DATE: 01/12/2017	
TITLE: DWG. TREE, PERSP. & SPECS		SHEET: 1 OF 3		P4105090606-600000-00	